Lundgren

ENTERED

1631

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 4 <110> APPLICANT: Xu, Jiangchun
 5         Dillon, Davin C.
 6         Mitcham, Jennifer L.
 7         Harlocker, Susan Louise
 8         Jiang Yuqui
 9         Reed, Steven G.
10         Kalos, Michael
11         Fanger, Gary
12         Retter, Mark
13         Solk, John
14         Day, Craig
16 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
17         DIAGNOSIS OF PROSTATE CANCER
19 <130> FILE REFERENCE: 210121.427C9
21 <140> CURRENT APPLICATION NUMBER: US 09/439,313
22 <141> CURRENT FILING DATE: 1999-11-12
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42  ctccttggct cacagccttc tctaggcttc ccagtgcctc caggacagag tgggttatgt   240
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44  cttcatggac agtgtccagc acatgtcact ctccactctc tcagtgtgga tccactagtt   360
45  ctagagcggc cgccaccgcg gtggagctcc agcttttgtt ccctttagtg agggttaatt   420
46  gcgcgcttgg cgtaatcatg gtcataactg tttcctgtgt gaaattgtta ccgctcaca   480
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W--> 48  anctaactca cattaattgc gttgcgctca ctgnccgctt tccagtcngg aaaactgtcg   600
W--> 49  tgccagctgc attaatgaat cggccaacgc ncggggaaaa gcggtttgcg ttttggggggc   660
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RAW SEQUENCE LISTING   DATE: 05/25/2001
PATENT APPLICATION: US/09/439,313   TIME: 13:40:37

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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     67  ctaaagtctg atgaacttcc caatcagatg agcatggatg attggccaga aatgaagaag     180
     68  aagtttgcag atgtatttgc aaagaagacg aaggcagagt ggtgtcaaat ctttgacggc     240
     69  acagatgcct gtgtgactcc ggttctgact tttgaggagg ttgttcatca tgatcacaac     300
     70  aaggaacggg gctcgtttat caccagtgag gagcaggacg tgagcccccg ccctgcacct     360
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     72  gccgccaccg cggtggagct ccagcttttg ttccctttag tgagggttaa ttgcgcgctt     480
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W--> 76  ttantgaatc ngccacccc cgggaaaagg cggttgcntt ttgggcctct ccgctttcc     720
W--> 77  tcgctcattg atcctngcnc ccggtcttcg gctgcggnga acggttcact cctcaaaggc     780
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     93  tcctcaaaag tcagaaccgg agtcacacag gcatctgtgc cgtcaaagat ttgacaccac     180
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    113 <223> OTHER INFORMATION: n = A,T,C or G
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        119  acgtggggtga ccatgttgtt tgtggggtgc agagatggga ggggtggggc ccaccctgga   240
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        144  attttataac aatcaacacc tgtggctttt aaaatttggt tttcataaga taatttatac   180
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        151  tcaccaaccc ctcagttata aaaaatttttc aagttatatt agtcatataa cttggtgtgc   600
        152  ttattttaaa ttagtgctaa atggattaag tgaagacaac aatggtcccc taatgtgatt   660
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      176  aggggctagg ctggagtggt aaaaggctca gaaaaatcct gcgaagaaaa aaacttctga   540
      177  ggtaataaat aggattatcc cgtatcgaag gccttttttgg acaggtggtg tgtggtggcc   600
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W--> 180  gtcattanga nggctnaaaa ggccctgtta ngggtctggg ctnggtttta cccnacccat   780
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      222  ctgaagcgca cgtcccagaa ggtggacttg gcactgaaac agctgggaca catccgcgag   180
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RAW SEQUENCE LISTING   DATE: 05/25/2001
PATENT APPLICATION: US/09/439,313   TIME: 13:40:37

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: **US/09/439,313**   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
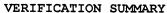Output Set: **C:\CRF3\05252001\I439313.raw**

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L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
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L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: **US/09/439,313**   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**
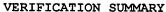
```
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/439,313

DATE: 05/25/2001
TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

```
L:399 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:401 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:403 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:405 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:406 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:407 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:408 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:409 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:410 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:411 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:15
L:431 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:432 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:433 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:434 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:435 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:436 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:437 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:438 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:16
L:459 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:17
L:460 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:17
L:461 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:17
L:462 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:17
L:463 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:17
L:476 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:481 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:484 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:485 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:486 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:487 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:488 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:489 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:18
L:502 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:503 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:504 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:505 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:506 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:507 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:508 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:509 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:510 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:511 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:512 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:513 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:514 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:19
L:527 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:20
L:528 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:20
L:529 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:20
L:530 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:20
L:531 M:341 W:  (46) "n" or "Xaa" used, for SEQ ID#:20
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/439,313

DATE: 05/25/2001
TIME: 13:40:38

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:534 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
```

VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: **US/09/439,313**   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:617 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:631 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:644 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:664 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:682 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:688 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
```

VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: **US/09/439,313**   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

```
L:734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/439,313

DATE: 05/25/2001
TIME: 13:40:38

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

```
L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:846 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:874 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:901 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/439,313**

DATE: 05/25/2001
TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:948 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:950 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:969 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:999 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
```

VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: US/09/439,313   TIME: 13:40:38

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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L:1052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:1110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:1141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:1186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
```

VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: **US/09/439,313**   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:1556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:1641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:1642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:1661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:1697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:1716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:1737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:1738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:1752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:1773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:1776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:1778 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:1779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/439,313

DATE: 05/25/2001
TIME: 13:40:38

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1856 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:1890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:1954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:1956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:1957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:1970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1973 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1993 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:2535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116
L:2538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116
L:2551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117
L:2552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117
L:2555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117
L:2569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118
L:2570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118
L:2583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119
L:2584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119
L:2585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/439,313**

DATE: 05/25/2001
TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:2586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119
L:2599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120
L:2613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2615 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:2640 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:2709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129
L:2710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129
L:2724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130
L:2727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130
L:2744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:2747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:2748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:2764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132
L:2765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132
L:2779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133
L:2781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133
L:2782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133
L:2796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134
L:2811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135
L:2812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135
L:2813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135
L:2814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135
L:2830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:2831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:2832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:2833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:2835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136
L:2848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137
L:2849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137
L:2866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138
L:2867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138
L:2895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140
L:2896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140
L:2897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140
L:2914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141
L:2915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141
L:2932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:2935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:2936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:2960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:2974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145
L:2978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145
L:2992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146
L:3010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147
L:3028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148
L:3029 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148
L:3030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148
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VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: **US/09/439,313**   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:3095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153
L:3125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155
L:3162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:3165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:3167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158
L:3183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159
L:3184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159
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L:3241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163
L:3262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164
L:3275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165
L:3295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166
L:3296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166
L:3297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166
L:3310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167
L:3312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167
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L:3314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167
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L:3329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168
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L:3401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171
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L:3785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:3790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:3804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:3807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:3808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:3810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:3811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
L:3812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188
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L:3854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190
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L:3890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:192
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L:3941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194
L:3956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
L:3960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
L:3961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
L:3962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/439,313**

DATE: 05/25/2001
TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:4001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197
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L:4003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197
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L:4046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199
L:4047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199
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L:4083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:201
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L:4098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
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L:4102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203
L:4126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203
L:4140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
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L:4147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4149 M:341 W: (46) "n" or "Xaa" used  for SEQ ID#:204
L:4162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
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L:4185 M:341 W: (46)
L:4133
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L:3962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:195
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VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: US/09/439,313   TIME: 13:40:38

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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L:4104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202
L:4124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203
L:4126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203
L:4140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204
L:4162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205
L:4184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:4185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:4186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
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L:4187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:4188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:4189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:4191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206
L:4205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207
L:4207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207
L:4208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207
L:4227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208
L:4255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210
L:4256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210
L:4257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210
L:4274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211
L:4288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:4291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:4292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:4306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213
L:4308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213
L:4309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213
L:4326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214
L:4328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214
L:4329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214
L:4343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215
L:4345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215
L:4347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215
L:4362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216
L:4363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216
L:4364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216
L:4365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216
L:4379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:217
L:4396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218
L:4398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218
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L:4430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221
L:4431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221
L:4432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221
L:4462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223
L:4917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:256
L:4947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258
L:4962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259
L:5022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:263
L:5131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:271
L:5132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:271
L:5159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273
L:5160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273
L:5162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273
L:5163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:273
L:5178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274
L:5181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:274
L:5199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275
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L:5229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277
L:5230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:277
L:5248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:278
L:5265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:279
L:5347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:285
L:5405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289
L:5406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:289
L:5422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290
L:5453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:5454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:292
L:5484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294
L:5528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297
L:5546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:298
L:5639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305
L:5643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305
L:5686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:308
L:5746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:311
L:5765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:312
L:5785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:5790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:5791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:313
L:5892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322
L:5906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323
L:5907 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:323
L:5927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:324
L:6462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:346
L:6476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:347
L:6731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363
L:6732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363
L:6734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363
L:6736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363
L:6739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363
L:6740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363
L:6963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371
L:7179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:7183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:7187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:7189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:7193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:7814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390
L:7815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390
L:7829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391
L:7830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391
L:7831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391
L:7832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391
L:7847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392
L:7848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392
L:7849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392
L:7882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394
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VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: US/09/439,313   TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:7914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396
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L:7951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398
L:7964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:7965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:7967 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:7968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399
L:8001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401
L:8002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401
L:8003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:401
L:8022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:402
L:8035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:403
L:8069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:405
L:8082 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406
L:8084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406
L:8085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406
L:8112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408
L:8113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408
L:8114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408
L:8115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:408
L:8131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409
L:8132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:409
L:8149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:410
L:8150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:410
L:8163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:411
L:8167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:411
L:8183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:412
L:8200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:413
L:8225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:415
L:8227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:415
L:8240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:416
L:8256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417
L:8260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:417
L:8274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418
L:8277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418
L:8278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418
L:8279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418
L:8298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:419
L:8325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421
L:8326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421
L:8327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421
L:8329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421
L:8357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:423
L:8359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:423
L:8379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424
L:8393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425
L:8394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425
L:8395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/439,313**

DATE: 05/25/2001
TIME: 13:40:38

Input Set : **A:\427c9.app.txt**
Output Set: **C:\CRF3\05252001\I439313.raw**

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L:8396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425
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L:8440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:428
L:8470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:430
L:8472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:430
L:8474 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:430
L:8492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:431
L:8495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:431
L:8510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:432
L:8512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:432
L:8513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:432
L:8514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:432
L:8515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:432
L:8529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433
L:8531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433
L:8532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433
L:8533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433
L:8577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:436
L:8633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:439
L:8707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:443
L:8721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:444
L:8741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:445
L:8760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:446
L:8783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:447
L:8805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:448
L:8806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:448
L:8819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:449
L:8861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:8862 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:8863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
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L:8865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:8866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
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L:8895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453
L:8896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453
L:8944 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:457
L:9253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:472
L:9405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:475
L:10021 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502
L:10022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502
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VERIFICATION SUMMARY   DATE: 05/25/2001
PATENT APPLICATION: US/09/439,313   TIME: 13:40:38

Input Set : A:\427c9.app.txt
Output Set: C:\CRF3\05252001\I439313.raw

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L:10023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502
L:10024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502
L:10026 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:502
L:10040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:503
L:10041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:503
L:10042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:503
L:10044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:503
L:10045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:503
L:10046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:503
L:10121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:508
L:10341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:523
L:10914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:536
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